



for

LED



SimpoleD

SimpoleD-16050 Modular Passive LED Cooler Φ160mm

Features VS Benefits

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler and thermal performance matching the lumen packages.
 - * Thermal resistance range Rth 0.68°C/W.
 - * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's:
 - * Diameter 160mm - Standard height 50mm , Other heights on request.
 - * Extruded from highly conductive aluminum.
 - * 2 standard colors - clear anodised - black anodised
- Zhaga Book 3 Spot Light Modules: Bridgelux , Citizen, Cree, Tridonic, Luminus, Prolight Lumileds, Osram, Lustrous, SamSung



- 1) Bridgelux , Vero10, Vero13, Vero18 and Vero29 ;
- 2) Citizen CLL032-CLU034, CLL042-CLU044, CLL052-CLU054;
- 3) Cree XLamp CXA2520, CXA25xx, CXA30xx and CXA3590 COB engines.
- 4) Lumileds Luxeon COB's Series, Luxeon K Series;
- 5) Seoul Semiconductor ZC40, ZC60, XC100;
- 6) Tridonic TALEX module SLE modules engines.
- 7) Edison EdiLex II COB LED engines
- 8) Lustrous LUSTRON 6 series LL630F; LL630D, LL660D;
- 9) Prolight N SERIRS CI Series, CII SERIRS, CIII SERIRS BI SERIRS, BII SERIRS and BS SERIRS engines
- 10) Luminus #M22 LED engines.
- 11) SHARP Kaku Zenigata and Mega Zenigata LED engines.
- 12) Vossloh-Schwabe LUGA Shop LED engines.

Order Information

Example: SimpoLED-16050-B-#
 Example: SimpoLED-160 **1** - **2** - **3**

- 1** Height (mm)
- 2** Anodising Color
 - B-Black
 - C-Clear
 - Z-Custom
- 3** Mounting Options - see graphics details Combinations available
 - Ex.order code - 12
 - means option 1 and 2 combined

MingFa recommends the use of a high Thermal conductive interface between the LED Module and the LED cooler. Either thermal grease, A thermal pad or a phase change thermal pad Thickness 0.1-0.15mm is recommended.





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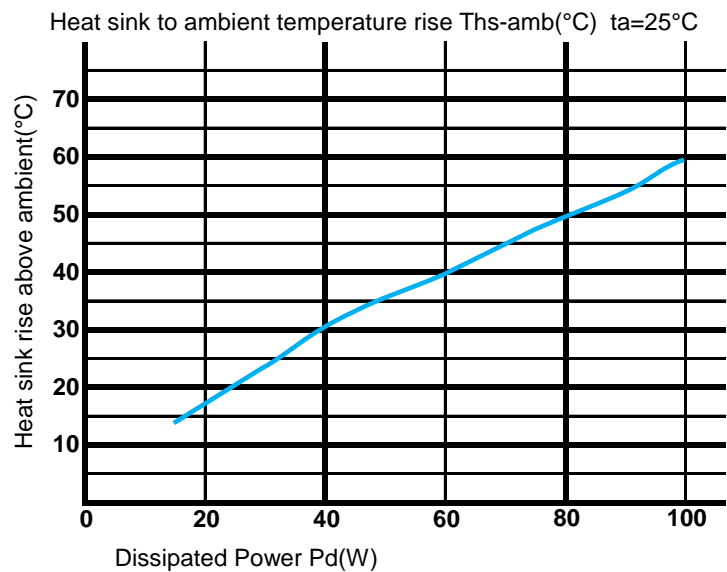
SimpoleD

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The thermal data table

	
	<i>SimpoleD-16050</i>
Model No.	SimpoleD-16050
Size	D160xH50mm
Material	6063-T5
Finish	Black Anodized
Weight(g)	1052
Thermal Wattage	71.3W
HeatsinkOs-a²	179161
Heat Sink T Rise Above Ambient (°C/W)	0.68

Dissipated Power Pd(W)	Pd = Pe x (1-ηL)	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise
		SimpoleD-16050	SimpoleD-16050
15		0.92	13.8
30		0.83	24.9
45		0.78	35.1
60		0.70	42.0
75		0.65	48.8
90		0.60	54.0
100		0.55	55.0



- Notes:
- Mentioned models are an extraction of full product range.
 - For specific mechanical adaptations please contact MingfaTech.
 - MingfaTech reserves the right to change products or specifications without prior notice.

